

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Art Unit: 2135

Kenneth L. Levy

Conf. No.: 5301

Application No. 09/801,515

Filed: March 7, 2001

VIA ELECTRONIC FILING

For: METHOD AND APPARATUS TO
PROTECT MEDIA EXISTING IN
AN INSECURE FORMAT

Examiner: H. Song

Date: June 13, 2006

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INTERVIEW SUMMARY

Applicant greatly appreciates the telephone call from the Examiner on May 10, 2006. By way of a summary, claims 22, 27 and 30 were discussed as mentioned in the Examiner-Initiated Interview Summary form accompanying the June 6, 2006, Notice of Allowance.

In response to the telephone interview, applicant's representative, Steve Stewart, summarized discussed claim amendments in a facsimile to the Examiner on the same day. A copy of that facsimile is provided herewith.

The Examiner is invited to contact the undersigned with any questions.

Respectfully submitted,

Date: June 13, 2006

DIGIMARC CORPORATION

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By



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FACSIMILE TRANSMITTAL

DATE: May 10, 2006

RE: U.S. Patent Application No. 09/801,515

TO: **Examiner Song**

FILED: March 7, 2001

FAX: 571-273-3857

FOR: METHOD AND APPARATUS TO PROTECT
MEDIA EXISTING IN AN INSECURE FORMAT

FROM: Steven W. Stewart (Reg. No. 45,133)

ART UNIT: 2135

PAGES: 10 (including cover)

DOCKET NO.: P0781 (Levy XR)

☒ Urgent

☐ For Review

☐ Please Reply

FACSIMILE COVER LETTER

COPY

Examiner Song,

It was nice to talk with you this morning. Thank you again for your telephone call. Attached are claim proposals including an interview summary per our conversation this morning.

Perhaps you can attach the proposed claim amendments to an interview summary form accompanying the notice of allowance.

Please call me at 503-469-4685 with any questions.

Best regards,

Steven W. Stewart, Reg. No. 45,133

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VIA FACSIMILE at 571-273-3857

Examiner: H. Song

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CLAIM PROPOSALS

COPY

Examiner Song,

Please see the following proposed claim amendments, per your request this morning.

Amendments to the Claims

COPY

1-21. (canceled).

22. (currently amended): A method of managing processing of video content, the video content including picture data representing picture elements to be rendered for display to a user, and including data conveyed along with the picture data but not representing picture elements to be rendered for display to a user, the method including:

(a) examining the data for copy control data, wherein the data comprises a header;

(b) only if the copy control data is missing, examining the picture data for a steganographic signal; and

(c) if the copy control data is missing, and the steganographic signal is present, then limiting processing of the video content.

23-26. canceled.

27. (currently amended): A method of managing processing of video content, the video content including picture data representing picture elements to be rendered for display to a user, and including a first watermark and a second watermark, the method including:

(a) examining the video content for the first watermark to obtain copy control data, wherein the first watermark comprises a header;

(b) examining the picture data for a second watermark, wherein the picture data is examined for the second watermark only when the copy control data is missing; and

(c) if the copy control data is missing, and the second watermark is present, then limiting processing of the video content.

28 – 29. canceled.

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30. (currently amended): A method of managing processing of video content, the video content including picture data representing picture elements to be rendered for display to a user, where embedded data is conveyed along with the video content, the method including:

(a) examining the embedded data for rights data, wherein the rights data is carried by a header;

(b) only if the rights data is missing, examining the embedded data for protect data that is contained within the picture data; and

(c) if the rights data is missing and the protect data is present, then limiting processing of the video content.

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31. (previously presented): The method of claim 30 wherein relative to detection of the protect data, the rights data is more efficient to detect.

32. (previously presented): The method of claim 30 wherein the rights data can be separated from the video content during video processing.

33. canceled.

34. (previously presented): The method of claim 30 wherein the protect data is visible when the picture elements are rendered for the user.

35. (previously presented): The method of claim 30 wherein the protect data is generally imperceptible when the picture elements are rendered for the user.

36. (previously presented): The method of claim 35 wherein relative to the rights data, the protect data is more robust to removal with video processing.

37. (previously presented): The method of claim 36 wherein relative to the rights data, the protect data is more complex to detect.

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38. (previously presented): The method of claim 30 wherein the protect data is either present or absent.

39. (previously presented): The method of claim 38 wherein the protect data is robust to removal with video processing, and the rights data is efficient to detect relative to the protect data.

40. (previously presented): The method of claim 30 wherein the rights data includes copy control states, and the copy control states represent one of a plurality of states, the states comprising at least: i) copy once; ii) copy no more; and iii) copy never.

41. (previously presented): The method of claim 40 wherein the copy control states further represent: iv) copy freely.

42. (previously presented): The method of claim 38 wherein the rights data includes copy control states, and the copy control states represent one of a plurality of states, the states comprising at least: i) copy once; ii) copy no more; and iii) copy never.

43. (previously presented): The method of claim 40 wherein the copy control states further represent: iv) copy freely.

COPY

44. (previously presented): The method of claim 39 wherein the rights data includes copy control states, and the copy control states represent one of a plurality of states, the states comprising at least: i) copy once; ii) copy no more; and iii) copy never.

45. (previously presented): The method of claim 44 wherein the copy control states further represent: iv) copy freely.

46. (previously presented): The method of claim 30 wherein the video content comprises a viewable, non-scrambled format.

47. (previously presented): The method of claim 42 wherein the video content comprises a viewable, non-scrambled format.

48. (previously presented): The method of claim 44 wherein the video content comprises a viewable, non-encrypted format.

49. (previously presented): The method of claim 30 wherein the method is performed during a process of loading the video content to a remote location.

50. (previously presented): The method of claim 49 wherein the remote location comprises portable media, and the limiting processing of the video content comprises blocking loading of the video content to the portable media.

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51. (previously presented): The method of claim 42 wherein the method is performed during a process of loading the video content to a remote location.

52. (previously presented): The method of claim 51 wherein the remote location comprises portable media, and the limiting processing of the video content comprises blocking loading of the video content to the portable media.

53. (previously presented): The method of claim 44 wherein the method is performed during a process of loading the video content to a remote location.

54. (previously presented): The method of claim 53 wherein the remote location comprises portable media, and the limiting processing of the video content comprises blocking loading of the video content to the portable media.

55. (previously presented): The method of claim 30 wherein the rights data and protect data carry different information.

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56. (previously presented): The method of claim 38 wherein the rights data comprises multi-bits and carries different information than the protect data.

57. (previously presented): The method of claim 30 wherein the protect data is contained within the picture data through steganographic embedding.

58. (previously presented): The method of claim 22 wherein the copy control data represents one of a plurality of states, the states comprising at least: i) copy once; ii) copy freely; iii) copy no more; and iv) copy never.

59. (previously presented): The method of claim 27 wherein the copy control data represents one of a plurality of states, the states comprising at least: i) copy once; ii) copy freely; iii) copy no more; and iv) copy never.

Remarks and Interview Summary

COPY

Claims 22, 27 and 30 are provided above in response to suggestions by Examiner Song during a telephone conversation this morning.

Claim 22 generally includes features from canceled claim 26; claim 27 generally includes the features from canceled claims 28 and 29; and claim 30 generally includes the features from canceled claim 33 (without the features of intervening claim 32).

We authorize the Examiner to enter these proposals in an Examiner's amendment accompanying a Notice of Allowance.

(These proposals and any corresponding Examiner's amendment are made without prejudice; and we respectfully submit that the term "header" should be broadly interpreted. We also reserve our right to file one or more continuing applications.)

The Examiner is respectfully requested to contact the undersigned with any questions.

Date: May 10, 2006

Customer Number 23735

Phone: 503-469-4685

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Respectfully submitted,

DIGIMARC CORPORATION

By St SL

Steven W. Stewart

Registration No. 45,133

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